**Fig.1**

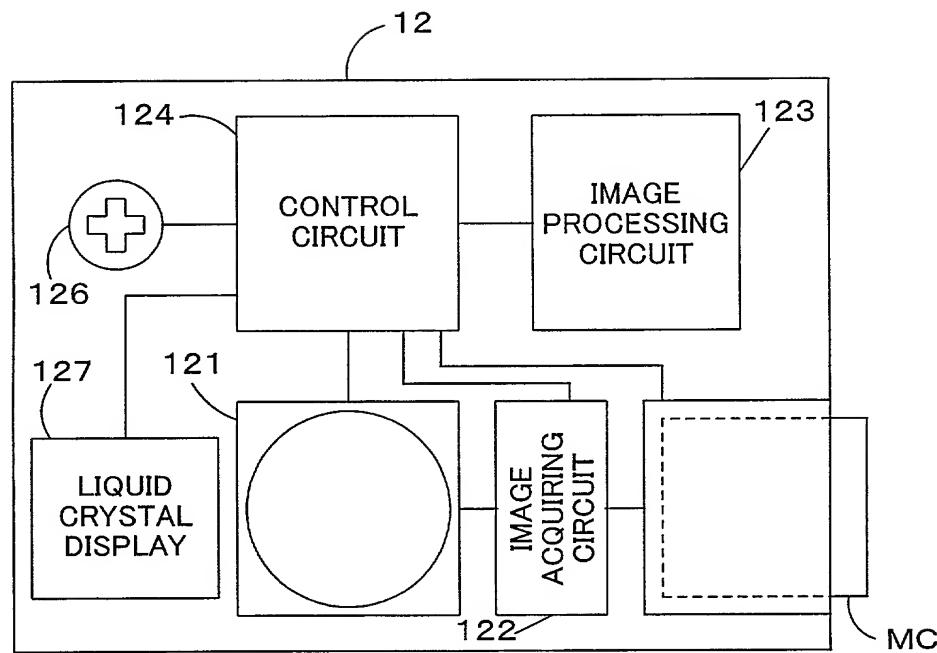
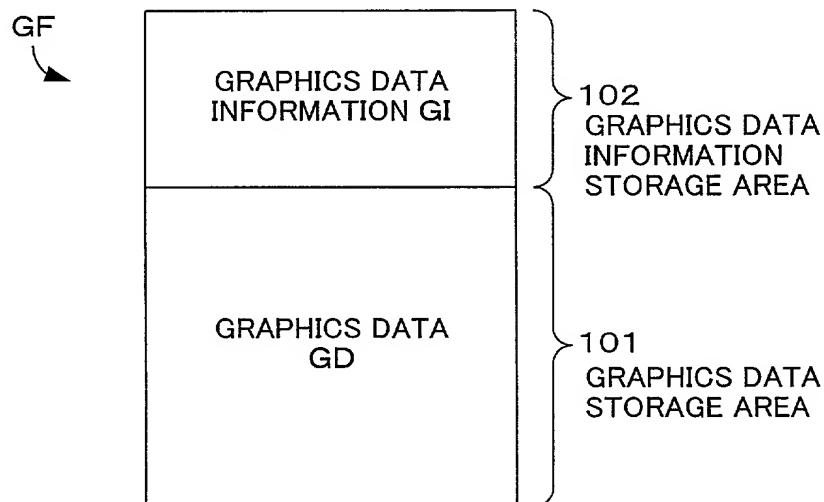
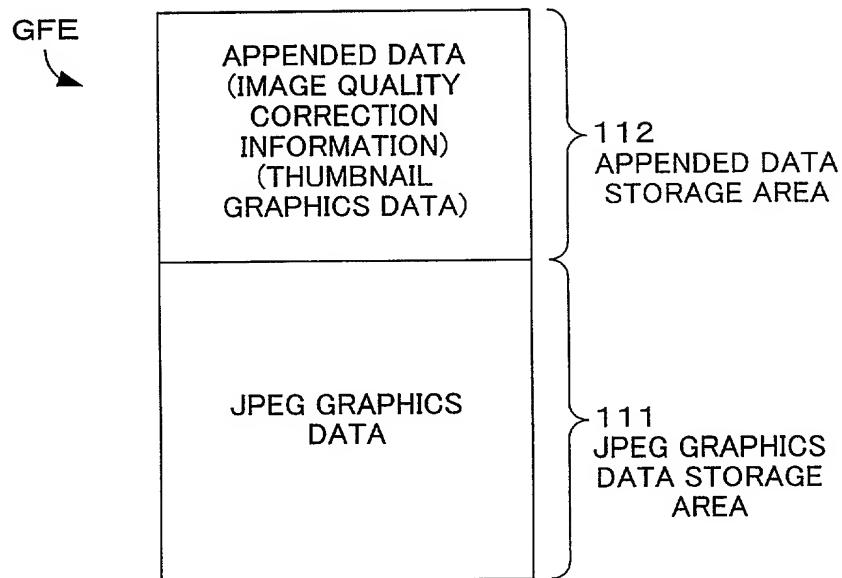
Fig.2**Fig.3**

Fig.4**Fig.5**

The diagram shows a table of camera parameters. Each parameter is listed in a row with its tag name in the first column and its value in the second column. A large brace on the right side of the table groups all rows together and is labeled "112 APPENDED DATA STORAGE AREA".

TAG NAME	PARAMETER VALUE
EXPOSURE TIME	1/137 SEC
LENS F NUMBER	F10. 1
EXPOSURE BIAS VALUE	EVO. 4
MIN. F VALUE	F2. 0
LENS FOCAL DISTANCE	20. 70(mm)
COLOR SPACE INFORMATION	sRGB
PICTURE MODE	1
AUTO ADJUST LEVEL	5

⋮ ⋮

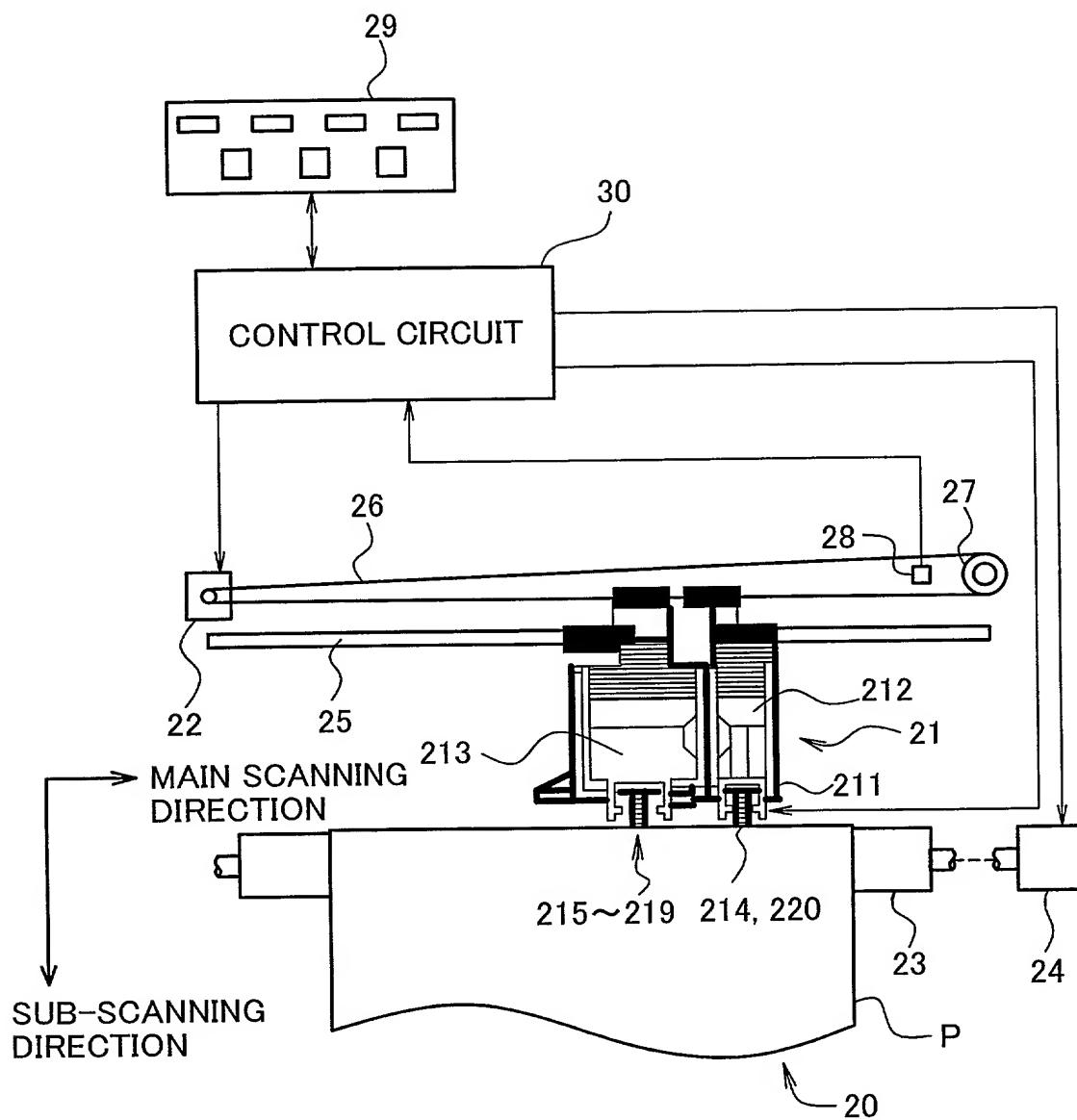
Fig.6

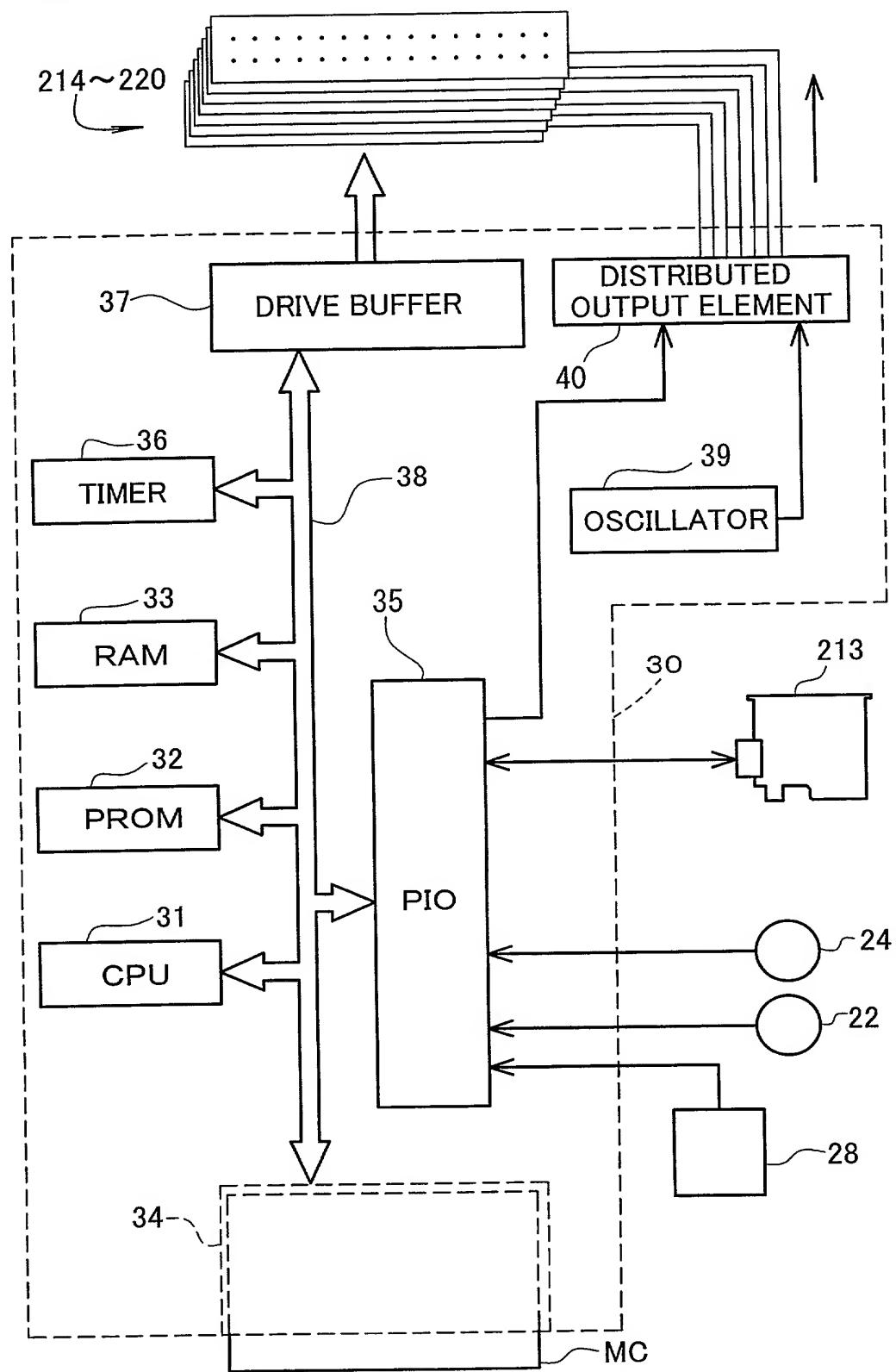
Fig.7

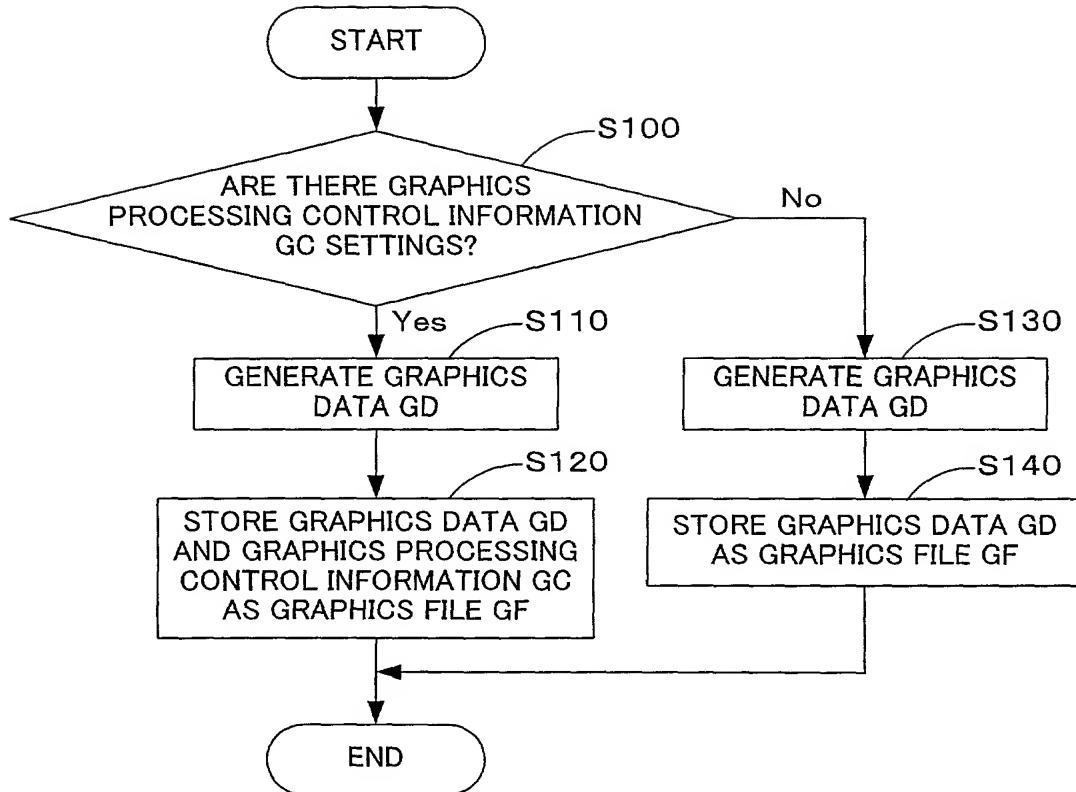
Fig.8

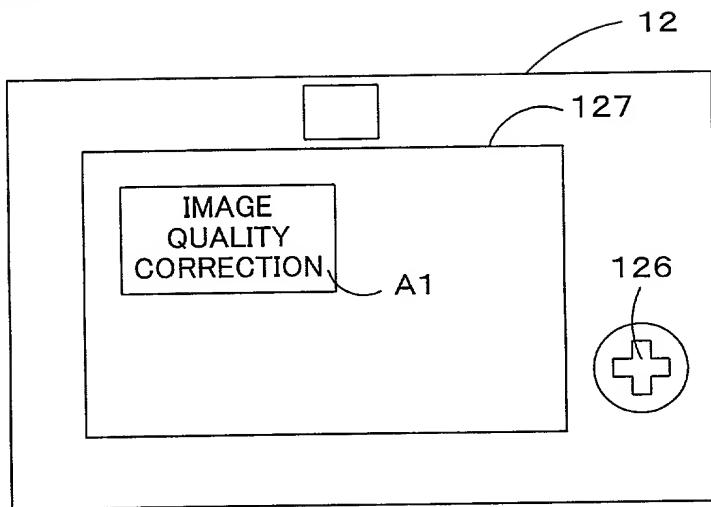
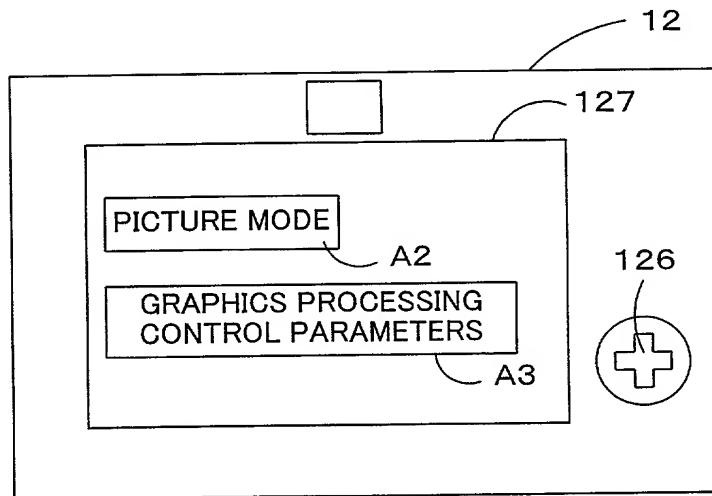
Fig.9**Fig.10**

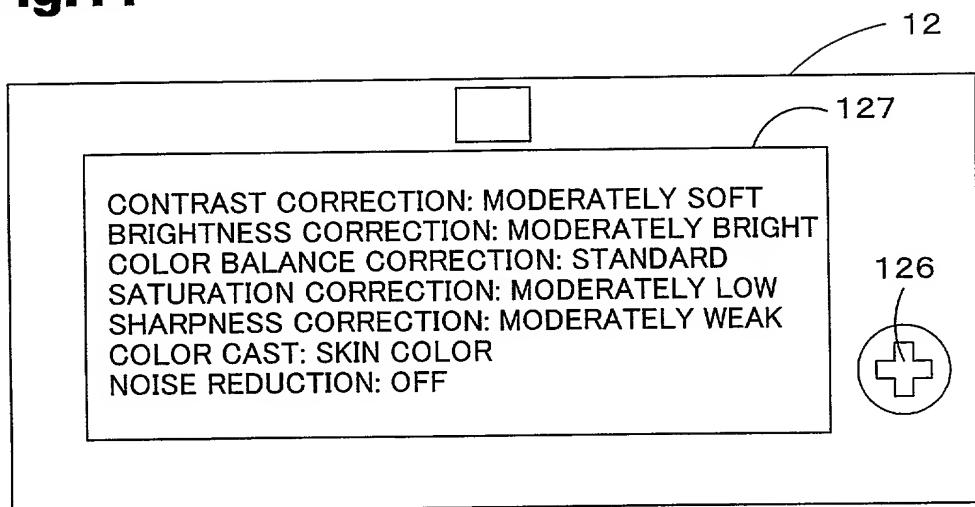
Fig.11

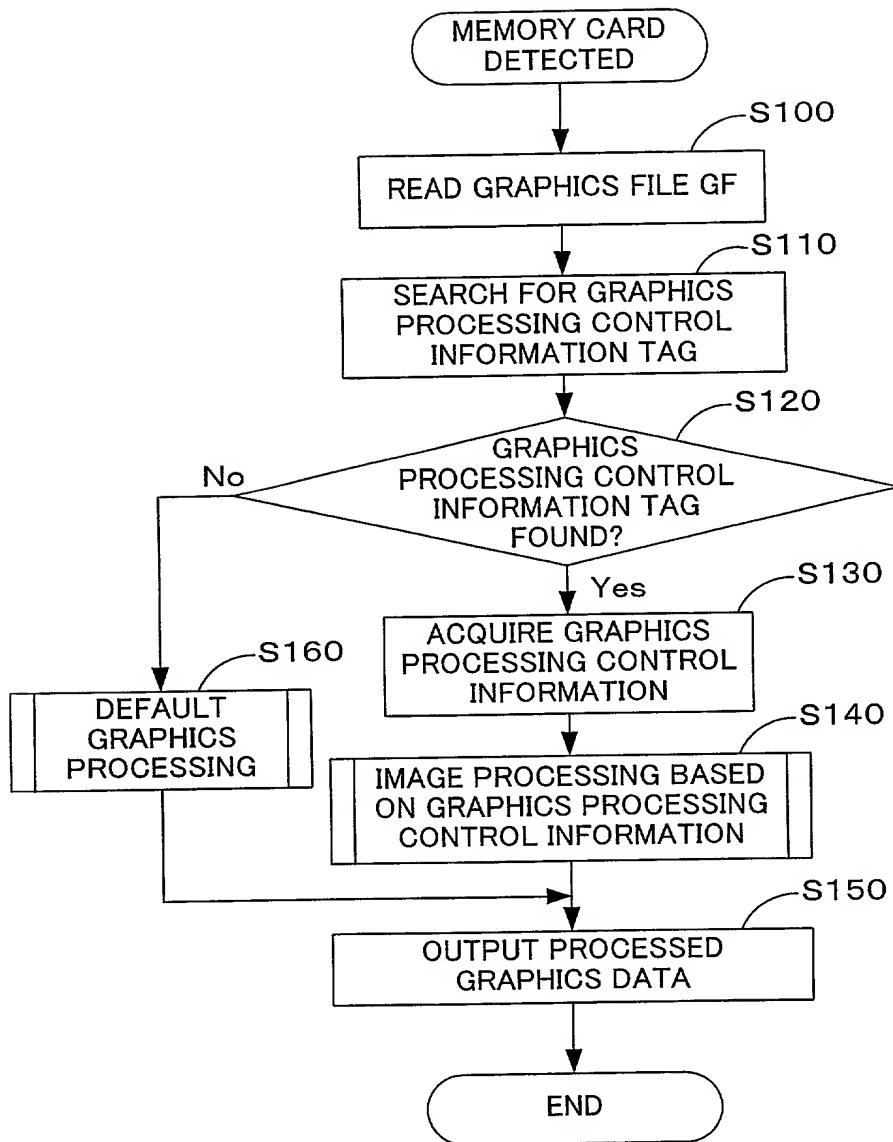
Fig.12

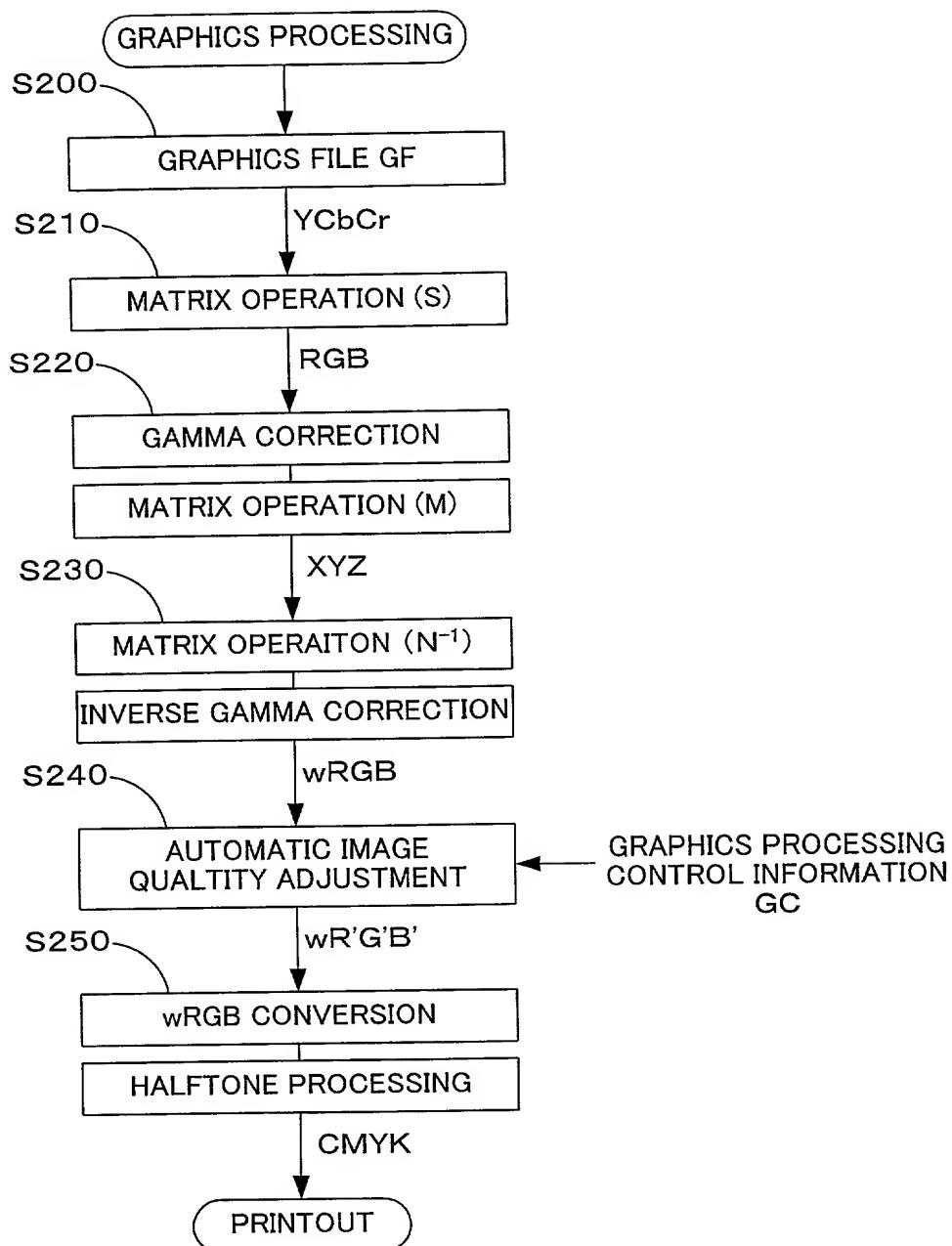
Fig.13

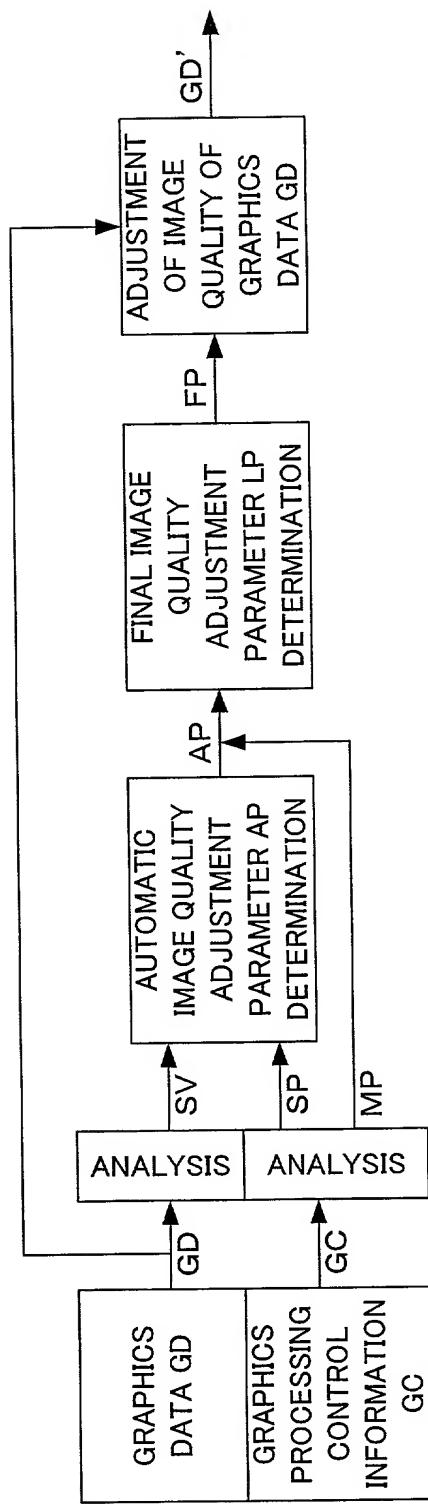
Fig.14

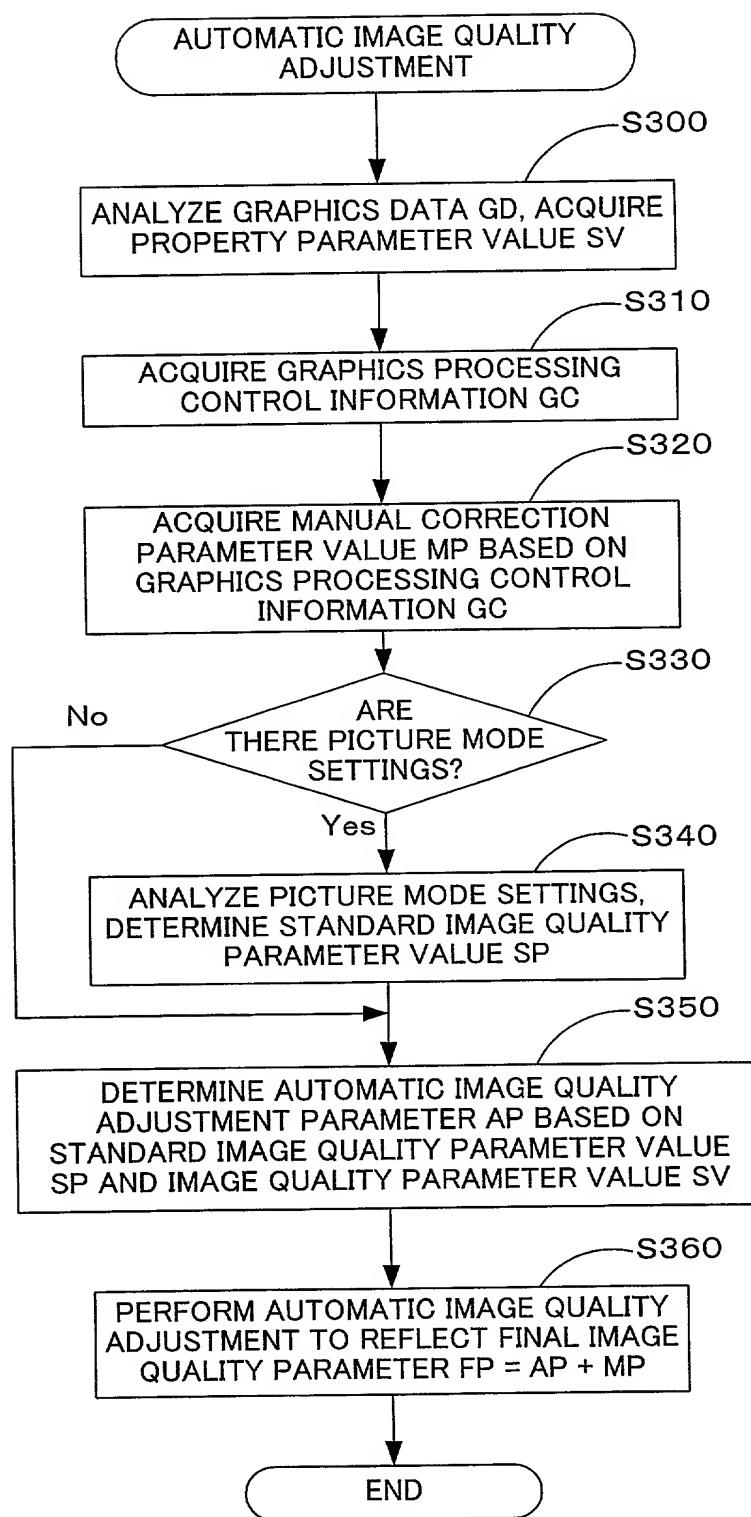
Fig.15

Fig.16

MODE	CONTRAST	BRIGHTNESS	COLOR BALANCE	SATURATION	SHARPNESS	COLOR CAST	NOISE REDUCTION
1	STANDARD	STANDARD	STANDARD	STANDARD	OFF	OFF	OFF
2	MOD. SOFT	MOD. BRIGHT	STANDARD	MOD. LOW	SKIN COLOR	OFF	OFF
3	MOD. HARD	STANDARD	STANDARD	MOD. HIGH	SKY/GREEN	OFF	OFF
4	STANDARD	DARK	OFF	STANDARD	MOD. LOW	RED	ON
5	STANDARD	DARK	OFF	STANDARD	STANDARD	OFF	ON
6	MOD. SOFT	MOD. BRIGHT	WEAK	MOD. HIGH	STANDARD	GREEN	OFF
7	STANDARD	STANDARD	WEAK	STANDARD	HIGH	OFF	OFF
8	HARD	STANDARD	STANDARD	MOD. HIGH	HIGH	OFF	OFF
9	MOD. SOFT	BRIGHT	STANDARD	STANDARD	STANDARD	OFF	OFF
10	STANDARD	STANDARD	STANDARD	HIGH	MOD. HIGH	OFF	OFF
11	STANDARD	MOD. BRIGHT	STANDARD	STANDARD	MOD. HIGH	SKIN COLOR	OFF

Fig.17

IMAGE QUALITY PARAMETER	AP	MP	FP	FP'
BRIGHTNESS	16	10	26	42
SHARPNESS	5	-10	-5	0

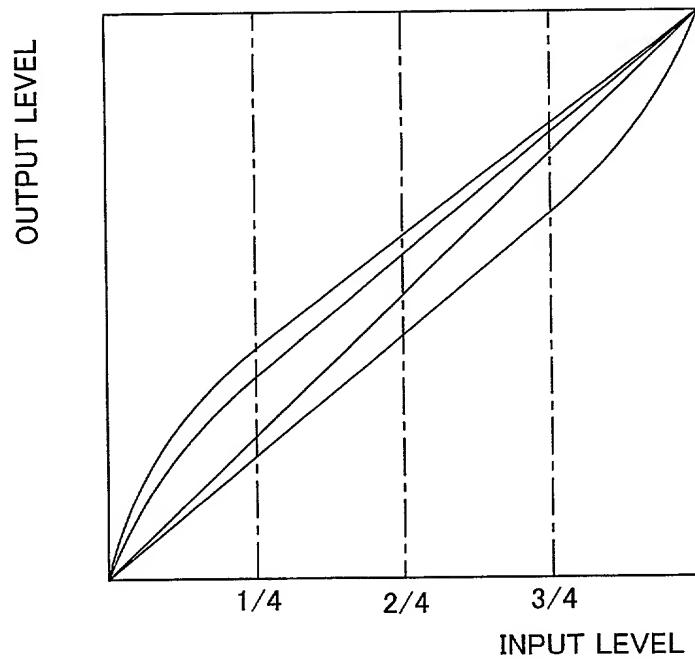
Fig.18

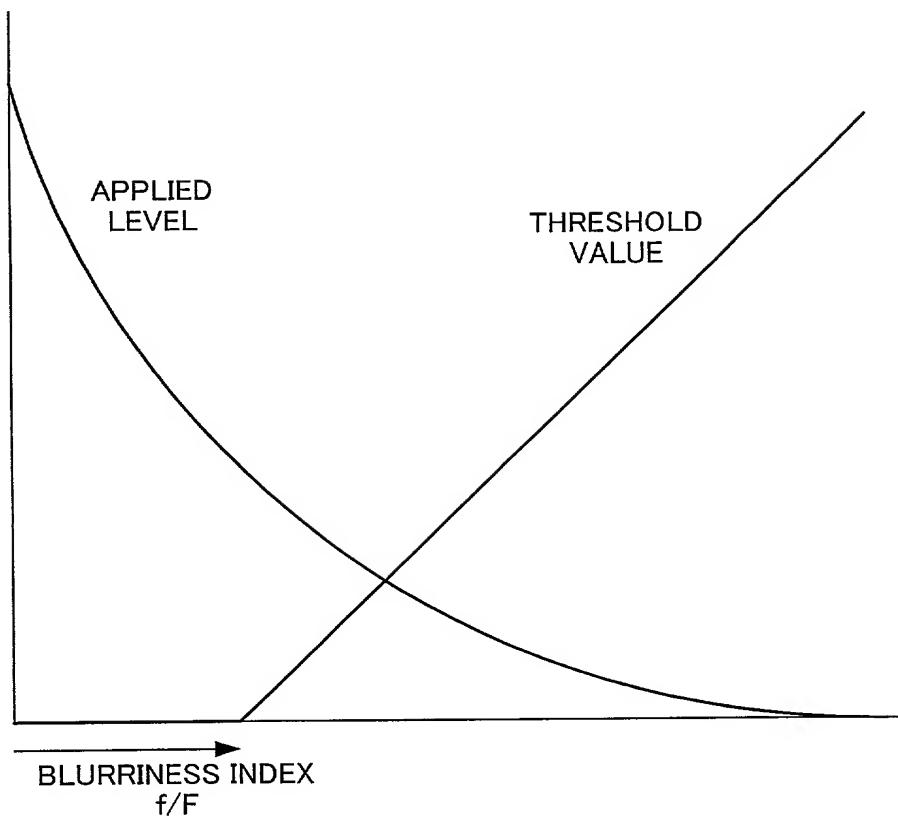
Fig.19

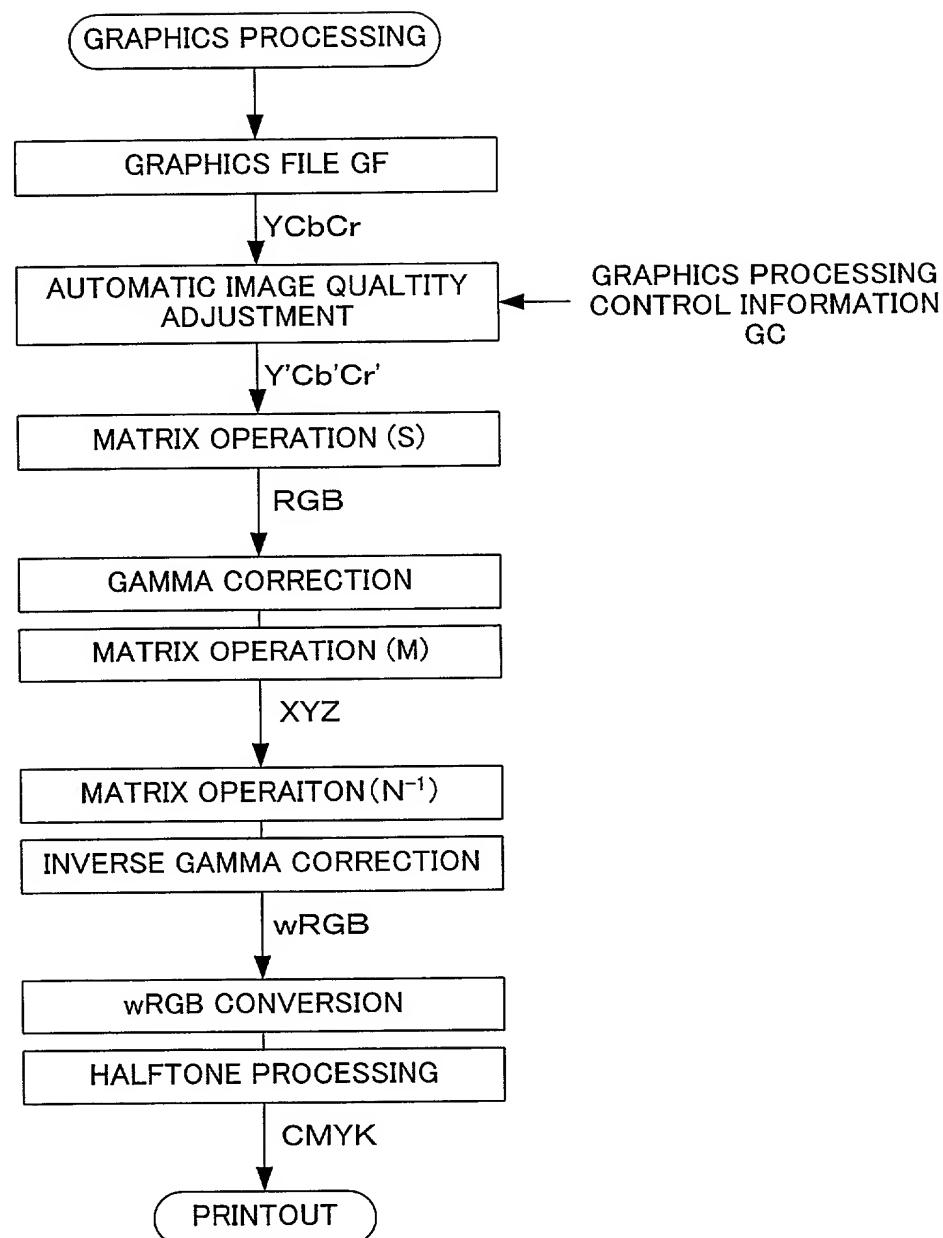
Fig.20

Fig.21

$$\begin{pmatrix} R \\ G \\ B \end{pmatrix} = \mathbf{S} \begin{pmatrix} Y \\ Cb - 128 \\ Cr - 128 \end{pmatrix}$$

$$\mathbf{S} = \begin{pmatrix} 1 & 0 & 1.40200 \\ 1 & -0.34414 & -0.71414 \\ 1 & 1.77200 & 0 \end{pmatrix}$$

Fig.22

$$\begin{pmatrix} X \\ Y \\ Z \end{pmatrix} = \mathbf{M} \begin{pmatrix} Rt' \\ Gt' \\ Bt' \end{pmatrix} \quad \mathbf{M} = \begin{pmatrix} 0.6067 & 0.1736 & 0.2001 \\ 0.2988 & 0.5868 & 0.1144 \\ 0 & 0.0661 & 1.1150 \end{pmatrix}$$

$Rt, Gt, Bt \geq 0$

$$Rt' = \left(\frac{Rt}{255} \right)^r \quad Gt' = \left(\frac{Gt}{255} \right)^r \quad Bt' = \left(\frac{Bt}{255} \right)^r$$

$Rt, Gt, Bt < 0$

$$Rt' = -\left(\frac{-Rt}{255} \right)^r \quad Gt' = -\left(\frac{-Gt}{255} \right)^r \quad Bt' = -\left(\frac{-Bt}{255} \right)^r$$

Fig.23

$$\begin{pmatrix} R_w \\ G_w \\ B_w \end{pmatrix} = \mathbf{N}^{-1} \begin{pmatrix} X \\ Y \\ Z \end{pmatrix}$$

$$\mathbf{N}^{-1} = \begin{pmatrix} 3.30572 & -1.77561 & 0.73649 \\ -1.04911 & 2.1694 & -1.4797 \\ 0.0658289 & -0.241078 & 1.24898 \end{pmatrix}$$

$$Rw' = \left(\frac{Rw}{255} \right)^{1/\gamma} \quad Gw' = \left(\frac{Gw}{255} \right)^{1/\gamma} \quad Bw' = \left(\frac{Bw}{255} \right)^{1/\gamma}$$